

Serial No. 09/735,547

Docket No. HI-0024

Reply dated: October 12, 2004

Reply to Office Action of May 6, 2004

**Amendments to the Abstract:**

Please replace the originally filed Abstract with the revised Abstract attached at the end of this paper.

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**ABSTRACT OF THE DISCLOSURE**

A RF characteristic analyzer for a communications system including an input/output module, coupled to the communications system, a first analyzing circuit coupled to receive and analyze a transmission signal of the communications system through the input/output module, and a second analyzing circuit coupled to receive and analyze a reception signal of the communications system through the input/output module. Also included is an alarm circuit coupled to receive analyzed data from the first and second analyzing circuits, and to provide at least one alarm message according to the analyzed data.